12 51 52 CIRCUIT BREAKER 100

41 OUTLET SELECTOR

46 ZERO CROSSING DETECTOR

48 POWER SUPPLY

40 DUSK SENSOR

MICRO-PROCESSOR

31 POWER CONTROLLER 21

32 POWER CONTROLLER 22

SHOW SELECT 42

33 POWER CONTROLLER 23

TIME SELECT 44

MEMORY 11

34 POWER CONTROLLER 24

35 POWER CONTROLLER 25

DISPLAY 50

10

36 POWER CONTROLLER 26

FIG.1

TIMER SETTING:	DISPLAY WILL READ:
ALWAYS ON-STEADY ILLUMINATION	AO
OFF	OF
DUSK-ON FOR 2 HOURS	2H
DUSK-ON FOR 4 HOURS	4H
DUSK-ON FOR 6 HOURS	6H
DUSK-ON FOR 8 HOURS	8H
DUSK TO DAWN	dd
OUTLET OVERLOAD	ER

FIG.3

FIG.2A

31

VCC

VP1-1-6

8550

311

6A60

L1-L6

AC(_)

21

150

0.1X5W

AC(W)

IN5817

JP1-8

100k

42

44

VCC

PROTECT1

7

5

6

10k

150k

1

2

3

14

12

13

1k

47k

1k

47UF

47UF/10V

VCC

33K

CD5

CD5 DECT

1K

8

10

9

40

IN4 148

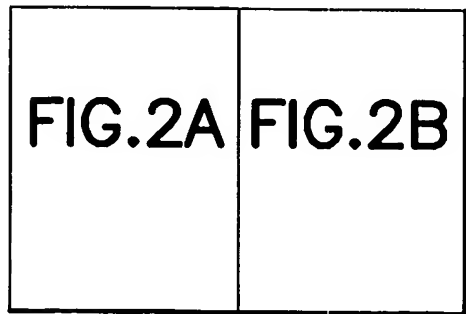IN4 148

4.7K

VCC

IN4148

ZERO_DECT

1K

46

IN4148

FIG.2A FIG.2B

FIG.2

FIG.2B
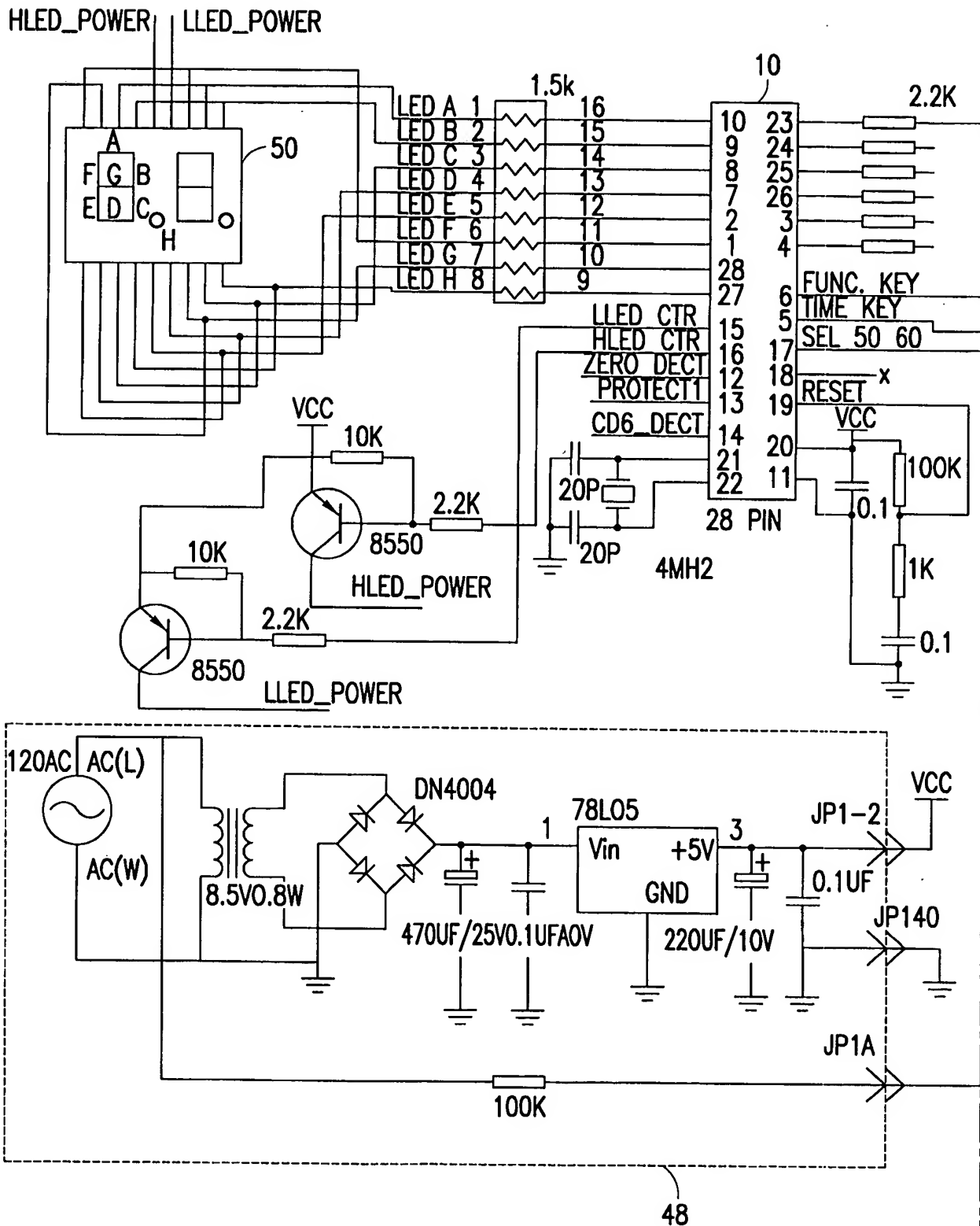
SHOW NUMBER	SHOW DESCRIPTION
01	STEADY ON Steady On (no effects)
02	CASCADING FLASH/FADE ON
03	FLASH/FADE ON Progressive/3 Flashes and Fade On/Chase Up
04	FADE UP AND DOWN Progressive 8 Flashes/Progressive Fade On/Flash Twice/Down to Steady On
05	MEDIUM SPEED FADE ON Progressive Fades On/Steady On/Regressive Fades Off to Total Off
06	SLOW FADE ON Progressive Med. Speed Fade On/Cycles Twice/Steady On
07	RANDOM FLASHING AND FADING Progressive Slow Fade On/Off/Steady On
08	VARIABLE CHASING Random Flash/Random Fade On in Random Sequence (ideal for Halloween Decorating)
09	CASCADE CHASING Progressive Slow Chase/Speeds Into Fast Chase Up/Regressive Chase/Sequence Chase Up/ Sequence Chase Down/Progressive Chase/Regressive Chase
10	CASCADE CHASING UP AND DOWN Progressive Medium Speed Chase Up –9 cycles
11	FAST CHASING Progressive Medium Speed Chase Up/Progressive Medium Speed Chase Down
12	CASCADING FADE ON/FADE OFF Progressive Fast Chase
13	3 X 2 CASCADING FADE ON/FADE OFF Progressive Fade On To Steady On/Progressive Fade On to Off Outlets 1&2, 3&4, and 5&6 in tandem – Fade On To Steady On/Progressive Fade Off to Off/Cycles

FIG.4A

14   CASCADE ON/STEADY ON/CASCADE FADE OFF
Progressive Slow Chase to Steady On/Regressive Slow Chase to Off/2 Cycles

15   CASCADING FADE ON/STEADY ON/CASCADE FADE OFF
Progressive Fade to Steady On/Regressive Fade to Off/1 Cycle

16   RANDOM FLASH
Random Sequence of Slow Flash to Fast Flash

17   3 X 2 CHASING
Outlets 1&2, 3&4, and 5&6 Progressive Chase in Tandem

18   4 OUTLETS FADE UP & DOWN (OUTLETS 5 AND 6 STEADY ON)
Outlet 1 thru 4 Progressive Fade On to Steady On in Tandem/Progressive Fade to Off
Outlets 5&6 are Steady On Function (ideal for using animated lighting or chasing lights – these outlets will not interfere with the functions of lights using their own control boxes or motors)

9   ALL PROGRAMS 01-18 IN SEQUENCE
All SHOWs play in Sequence – Starting 02 Up to 18 for maximum presentation of effects
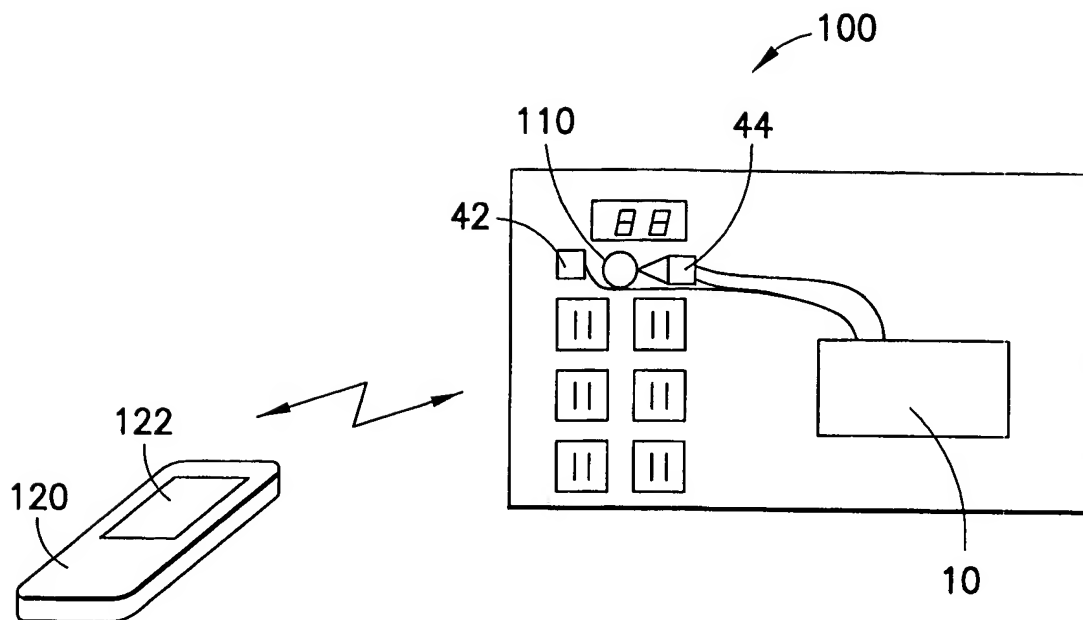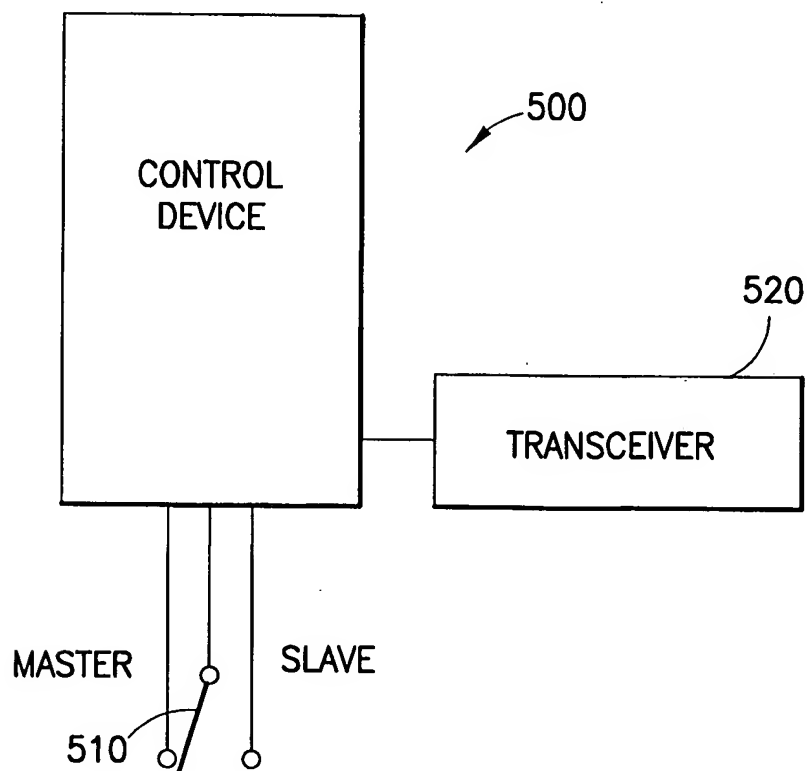
FIG.4B

| FIG.4A |
| FIG.4B |

FIG.4

100

110   44

42

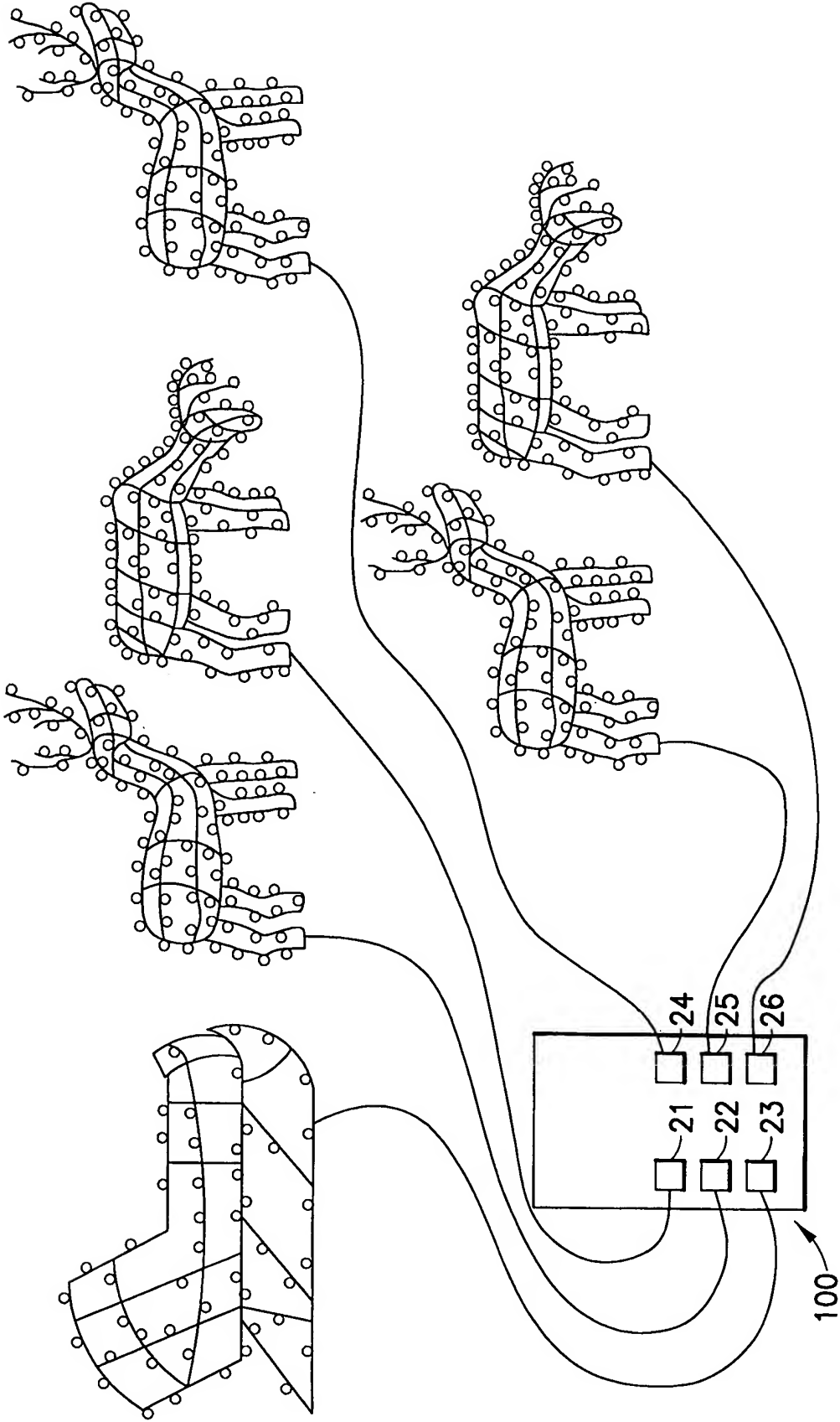10

FIG.5

120   122

CONTROL
DEVICE

500

520

TRANSCEIVER

MASTER   SLAVE

510

FIG.7

FIG.6

21 22 23 24 25 26

100